



2SD1047P

## SPICE PARAMETER

### NPN Bipolar Transistor

model : Gummel-Poon

Parameter	Value	Unit	Parameter	Value	Unit
IS	5.000p	A	BF	125	
NF	1		VAF	150	V
IKF	5.3	A	ISE	765.0p	A
NE	2		BR	10	
NR	1		VAR	150	V
IKR	1.5	A	ISC	8.500n	A
NC	2		RB	715.0m	Ohm
IRB	240.0m	A	RBM	339.5m	Ohm
RE	48.50m	Ohm	RC	10.50m	Ohm
XTB	0		EG	1.11	eV
XTI	3		CJE	2.610n	F
VJE	680.0m	V	MJE	360.0m	
TF	9n	sec	XTF	6	
VTF	10	V	ITF	21	A
PTF	0	deg	CJC	695.0p	F
VJC	550.0m	V	MJC	393.0m	
XCJC	1		TR	1.000n	sec
FC	500.0m		KF	0	(default)
AF	1	(default)			

Temp = 27 deg

Date : 2008/12/02

\*Information herein is for example only ;  
It is not guaranteed for volume production.

SANYO Semiconductor Co., Ltd. Hyper Device Division.